



(19)

Generated Document.

(11) Publication number: **62124576 A****PATENT ABSTRACTS OF JAPAN**(21) Application number: **60263767**(51) Int. Cl.: **G03G 15/04 H01S 3/133 H04N 1/23**(22) Application date: **26.11.85**

(30) Priority:

(43) Date of application publication: **05.06.87**

(84) Designated contracting states:

(71) Applicant: **RICOH CO LTD**(72) Inventor: **KAMITSUMA MAKOTO**

(74) Representative:

**(54) OUTPUT ADJUSTING  
DEVICE FOR  
SEMICONDUCTOR LASER**

(57) Abstract:

**PURPOSE:** To control the output of a semiconductor laser finely with simple constitution by converting the detection value of the output of the semiconductor laser from analog to digital and determining the value of a current supplied to the semiconductor laser, converting current value data corresponding to the determined current value from digital to analog,

and supplying the corresponding current to the semiconductor laser.

CONSTITUTION: A microcomputer 31 determines the value of the current supplied to the semiconductor laser 32 based on an A/D converted value from an A/D converter 35 and outputs the digital current value data from a specific port to a D/A converter 36 through a data bus according to the determined current value. This D/A converter 36 converts the current value data from the microcomputer 31 from digital to analog to obtain analog data. The converted value of this D/A converter 36 is converted (I/V) into a voltage value by the current- voltage converting circuit composed of an operational amplifier 37, a variable resistor 38, and a resistance 39, and the voltage is supplied to the base of a transistor 41 interposed in the feed path of the semiconductor laser 32.

COPYRIGHT: (C)1987, JPO&Japio

